APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/646,796	11/21/2000	Aravinda Korala	2000-011	1579

23521   7590   07/06/2004

SALTAMAR INNOVATIONS
30 FERN LANE
SOUTH PORTLAND, ME 04106

EXAMINER
HAMILTON, LALITA M

ART UNIT	PAPER NUMBER
3624	

DATE MAILED: 07/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)
Office Action Summary		09/646,796	KORALA, ARAVINDA
		Examiner	Art Unit
		Lalita M Hamilton	3624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *34-109* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *34-109* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All b)☐ Some * c)☐ None of:

      1.☒ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date <u>8</u>.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Specification

The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

(a) TITLE OF THE INVENTION.
(b) CROSS-REFERENCE TO RELATED APPLICATIONS.
(c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR
       DEVELOPMENT.
(d) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A
       COMPACT DISC (See 37 CFR 1.52(e)(5) and MPEP 608.05. Computer
       program listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)),
       and tables having more than 50 pages of text are permitted to be
       submitted on compact discs.) or
       REFERENCE TO A "MICROFICHE APPENDIX" (See MPEP § 608.05(a).
       "Microfiche Appendices" were accepted by the Office until March 1, 2001.)
(e) BACKGROUND OF THE INVENTION.
       (1) Field of the Invention.
       (2) Description of Related Art including information disclosed under 37
       CFR 1.97 and 1.98.
(f) BRIEF SUMMARY OF THE INVENTION.
(g) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
(h) DETAILED DESCRIPTION OF THE INVENTION.
(i) CLAIM OR CLAIMS (commencing on a separate sheet).
(j) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
(k) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A
       "Sequence Listing" is required on paper if the application discloses a
       nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if
       the required "Sequence Listing" is not submitted as an electronic
       document on compact disc).

The specification does not include titles for the Background, Summary, or Brief

Description of the Drawings.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act

of 1999 (AIPA) and the Intellectual Property and High Technology Technical

Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting

directly or indirectly from an international application filed before November 29, 2000.

Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior

to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 34-44, 46-51, 54, 57-62, 64-78, 80-85, 88, 91-96, and 98-109 are rejected

under 35 U.S.C. 102(e) as being anticipated by Eaton (6,003,019).

Eaton discloses a multi-transaction service method and corresponding system

comprising operating a computer based transaction machine controlled by at least one

software application to effect a transaction service, interacting said software application

with a functional interface of a middleware software which extends the functionality of a

computer operating system, the computer operating system providing control functions

of said computer based transaction machine, said functional interface provides

functionality adapted to the particular hardware of said transaction machine and said

transaction device (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); transaction

machine further comprises a data communications interface and wherein said

transaction machine is adapted to communicate over said data communications

interface (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); the transaction machine is

selected from a group consisting of an automatic teller machine, an electronic kiosk and

an electronic point of sale machine (col.1, lines 40-60 and col.3, line 5 to col.5, line 5);

middleware software comprises a series of transaction objects and controls for

performing standardized device functions (col.1, lines 40-60 and col.3, line 5 to col.5,

line 5); transaction machine further comprises a customizable user interface (col.1, lines

40-60 and col.3, line 5 to col.5, line 5); transaction objects are independent of said user

interface (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); a plurality of controls, at

least one of which comprises a capabilities interface (col.1, lines 40-60 and col.3, line 5

to col.5, line 5); the capabilities interface can communicate the capabilities of the control

(col.1, lines 40-60 and col.3, line 5 to col.5, line 5); applications, objects and controls are

concurrently operable (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); controls are

constructed with an event generating capability and wherein a said controls are

operable in a selectable mode in which said events are queued up and delivered to an

application on demand (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); middleware

software is adapted to provide service in accordance with at least one software

standard for interacting with different hardware systems (col.1, lines 40-60 and col.3,

line 5 to col.5, line 5); all errors and transgressions are asserted by the middleware

software (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); the step of the middleware

software writing trace data to memory and then copies it to disk only when the

transaction machine is idle (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); a web

browser (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); at least one software

application is operable from within said web browser environment (col.1, lines 40-60

and col.3, line 5 to col.5, line 5); web browser provides support for software distribution

(col.1, lines 40-60 and col.3, line 5 to col.5, line 5); a web browser frame containing at

least one device control operable to detect events which must be responded to upon

occurrence (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); web browser is adapted

to communicate with conventional web sites to be displayed by the computer-based

transaction machine (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); the computer-

based transaction machine is adapted to allow the software applications and

middleware to be altered across a network by an authority (col.1, lines 40-60 and col.3,

line 5 to col.5, line 5); the transaction machine is adapted to communicate status

information to a remote station (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); at

least one of said transaction objects provide, separately or in combination with other

transaction objects and controls, encapsulation of software logic required for performing

at least a portion of a transaction (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); at

least one of said controls is a device control, providing abstraction of details of a device

controlled by said device control (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); step

of creating a separate thread for each of a plurality of controls (col.1, lines 40-60 and

col.3, line 5 to col.5, line 5); the step of enabling said application program to

communicate over said communication interface through a control (col.1, lines 40-60

and col.3, line 5 to col.5, line 5); middleware software provides generic error handlers

(col.1, lines 40-60 and col.3, line 5 to col.5, line 5); configuring a plurality of transaction

machines, and wherein configuration data for said step of configuring is centrally held in

a distribution file (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); constructing said

user interface using common web authoring tools (col.1, lines 40-60 and col.3, line 5 to

col.5, line 5); the operating system is Microsoft Windows NT (col.1, lines 40-60 and

col.3, line 5 to col.5, line 5); at least one transaction device, having a set of capabilities

inherent thereto, an operating system to communicate with, and control said transaction

device, at least one software application having a user interface, and adapted for

execution under control of said operating system, middleware software adapted to

interact with said operating system and with said software application, said middleware

software having a functional interface adapted to provide an interface to particular

hardware capabilities of said transaction machine, and, wherein said middleware

software further comprising an application programming interface adapted to provide

communication and control services with said transaction device to said software

application (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); one or more networking

means and one or more application servers (col.1, lines 40-60 and col.3, line 5 to col.5,

line 5); an extranet formed by combining a plurality of networks o computer-based

transaction machines to the above claim (col.1, lines 40-60 and col.3, line 5 to col.5, line

5); an extranet according to the above claim provided with a security mechanism which

limits the hardware functionality available to individual software applications (col.1, lines

40-60 and col.3, line 5 to col.5, line 5); operating by a first organization a computer

based transaction machine controlled by at least one software application to affect a

transaction service, wherein said software application is provided by a second

organization, wherein said software application provides an transaction type different

than the transaction type associated with said first organization (col.1, lines 40-60 and

col.3, line 5 to col.5, line 5); a method for selling tickets comprising the steps of

operating, by a first organization, a computer based automated teller machine having a

data communication interface, a display device, an input device, and at least one

transaction device adapted for user identification, executing a software application on

said computer based automated teller machine, said software application being adapted

to issue tickets for events or services provided by a second organization, and,

automatically charging a user account for said ticket utilizing facilities provided by said

automated teller machine (col.1, lines 40-60 and col.3, line 5 to col.5, line 5); the

method of selling tickets of the above claim wherein said tickets are selected from a list

comprising airline tickets, cinema tickets and theatre tickets (col.1, lines 40-60 and

col.3, line 5 to col.5, line 5); a method for selling tickets comprising the steps of

operating, by a first organization, a computer based kiosk having a data communication

interface, a display device, an input device, and at least one transaction device adapted

for user identification, executing a software application on said computer based kiosk,

said software application being adapted to issue tickets for events or services provided

by a second organization, and automatically charging a user account for said ticket

utilizing facilities provided by said kiosk (col.1, lines 40-60 and col.3, line 5 to col.5, line

5); and tickets are selected from a list comprising airline tickets, cinema tickets and

theatre tickets (col.1, lines 40-60 and col.3, line 5 to col.5, line 5).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148

USPQ 459 (1966), that are applied for establishing a background for determining

obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 45, 63, 79, and 97 rejected under 35 U.S.C. 103(a) as being unpatentable

over Eaton in view of Schraeder (5,903,811).

Eaton discloses the invention substantially as claimed; however, Eaton does not

disclose at least one software standard is selected from a group consisting of WOSA

XFS, OPOS, OFX, TOPEND, ActiveX, Javabeans, SNMP or at least one of said

controls implements an OFX interface or a portion thereof, to facilitate communication

with an OFX server. Schraeder teaches an online banking method and corresponding

system comprising at least one software standard is selected from a group consisting of

WOSA XFS, OPOS, OFX, TOPEND, ActiveX, Javabeans, SNMP (col.17, lines 5-10)

and at least one of said controls implements an OFX interface or a portion thereof, to

facilitate communication with an OFX server (col.17, lines 5-10). It would have been

obvious to one having ordinary skill in the art at the time the invention was made to

incorporate at least one software standard is selected from a group consisting of WOSA

XFS, OPOS, OFX, TOPEND, ActiveX, Javabeans, SNMP and at least one of said

controls implements an OFX interface or a portion thereof, to facilitate communication

with an OFX server, as taught by Schraeder into the invention disclosed by Eaton, to

have the software and controls necessary to execute the programs desired by the user.

Claims 52-53, 55-56, 86-87, and 89-90 are rejected under 35 U.S.C. 103(a) as

being unpatentable over Eaton in view of Wolfe (6,006,252).

Eaton discloses the invention substantially as claimed; however, Eaton does not

disclose middleware software comprising a plurality of COM components having a

scriptable ActiveX interface; middleware software comprising a plurality of Javabeans

components having scriptable interfaces; middleware software allows or disallows

access to particular web sites according to a rule database; or middleware software is

adapted to customize time-out of the display of individual internet web sites. Wolfe

teaches method and corresponding system for communicating information relating to a

network resource comprising middleware software comprising a plurality of COM

components having a scriptable ActiveX interface (col.8, lines 1-11); middleware

software comprising a plurality of Javabeans components having scriptable interfaces

(col.8, lines 1-11); middleware software allows or disallows access to particular web

sites according to a rule database (fig.11-14-all and col.8, lines 49-65); and middleware

software is adapted to customize time-out of the display of individual internet web sites

(fig.11-14-all and col.8, lines 49-65). It would have been obvious to one having ordinary

skill in the art at the time the invention was made to incorporate middleware software comprising a plurality of COM components having a scriptable ActiveX interface; middleware software comprising a plurality of Javabeans components having scriptable interfaces; middleware software allows or disallows access to particular web sites according to a rule database; and middleware software is adapted to customize time-out of the display of individual internet web sites, as taught by Wolfe into the invention disclosed by Eaton, to provide the software necessary to execute the programs desired by the user and to prevent access to unauthorized sites.
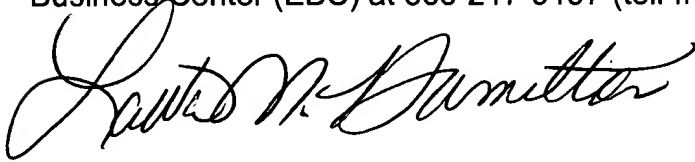
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lalita M Hamilton whose telephone number is (703) 306-5715. The examiner can normally be reached on Tuesday-Thursday (8:30-4:30).

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

LMH

VINCENT MILLIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600